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## NOTICE OF ALLOWANCE AND FEE(S) DUE

22879

7590

06/16/2009

HEWLETT PACKARD COMPANY  
P O BOX 272400, 3404 E. HARMONY ROAD  
INTELLECTUAL PROPERTY ADMINISTRATION  
FORT COLLINS, CO 80527-2400

EXAMINER

CHUONG, TRUC T

ART UNIT

PAPER NUMBER

2179

DATE MAILED: 06/16/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/636,082	08/07/2003	Jennifer Jie Fu	200208029-1	9826

TITLE OF INVENTION: REUSEABLE HIGH LEVEL GRAPHICAL USER INTERFACE TEMPLATE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/16/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN **THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE** OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

## HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER:** Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

# **PART B - FEE(S) TRANSMITTAL**

**Complete and send this form, together with applicable fee(s), to:** Mail **Mail Stop ISSUE FEE**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, Virginia 22313-1450**  
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**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

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Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

## **Certificate of Mailing or Transmission**

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

22879 7590 06/16/2009  
**HEWLETT PACKARD COMPANY**  
**P O BOX 272400, 3404 E. HARMONY ROAD**  
**INTELLECTUAL PROPERTY ADMINISTRATION**  
**FORT COLLINS, CO 80527-2400**

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nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/16/2009

EXAMINER	ART UNIT	CLASS-SUBCLASS
CHUONG, TRUC T	2179	715-734000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a **Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 \_\_\_\_\_  
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 \_\_\_\_\_  
 3 \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee  
☐ Publication Fee (No small entity discount permitted)  
☐ Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.  
☐ Payment by credit card. Form PTO-2038 is attached.  
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number \_\_\_\_\_ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature \_\_\_\_\_ Date \_\_\_\_\_  
 Typed or printed name \_\_\_\_\_ Registration No. \_\_\_\_\_

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 407 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 407 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

# Notice of Allowability

## Application No.

10/636,082

## Examiner

TRUC T. CHUONG

## Applicant(s)

FU, JENNIFER JIE

## Art Unit

2179

### - The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 03/11/09.
2. ☒ The allowed claim(s) is/are 1-11 and 13-19.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_.

**EXAMINER'S AMENDMENT**

**&**

***Allowable Subject Matter***

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Mr. John P. Wagner, Jr. on May 27, 2009.

**2. The claims have been amended as follows:**

1. (Currently Amended) An article of manufacture comprising a program storage medium having computer readable code embodied therein, said computer readable code being configured to implement a graphical user interface (GUI) template, said GUI template being configured to create one of a plurality of graphical user interfaces (GUIs), comprising:

computer readable code for rendering a plurality of GUI components; computer readable code for implementing a plurality of functions, each of said plurality of functions being associated with one of said plurality of GUI components, one of said plurality of functions being invoked when a respective one of said plurality of GUI components is activated by a user via said one of said plurality of GUIs, wherein said plurality of functions are created, tested, and integrated with said plurality of GUI components in advance of said one of said plurality of functions being invoked;

computer readable code for implementing a calling mechanism, said calling mechanism permitting a user to specify a subset of said plurality of GUI components to be rendered in said one of said plurality of GUIs; and

computer readable code for creating a re-useable high level graphical user interface (RHL-GUI) template comprising:

ascertaining a plurality of optional components for said RHL-GUI template, each of said plurality of said optional components being implemented using said furnished features in said existing GUI creation software; and

providing optional calling parameters for said calling mechanism, said optional calling parameters, when invoked in conjunction with said calling mechanism, renders at least a subset of said plurality of optional components as part of said RHL-GUI template.

2. (Original) The article of manufacture of claim 1 wherein at least two of said plurality of said GUIs have different sets of GUI components, each of said sets of GUI components being a subset of said plurality of GUI components.

3. (Original) The article of manufacture of claim 1 wherein said plurality of GUI components comprise a required subset and an optional subset, said required subset representing GUI components to be rendered in each of said plurality of GUIs, said optional subset representing GUI components rendered only when specified by said user through said calling mechanism.

4. (Original) The article of manufacture of claim 3 further comprising computer readable code implementing a visual scheme for said one of said plurality of (GUIs).

5. (Original) The article of manufacture of claim 3 further comprising computer readable code implementing plurality of user-selectable visual schemes for said one of said plurality of (GUIs), said plurality of user-selectable visual schemes being selectable through said calling mechanism.

6. (Original) The article of manufacture of claim 5 wherein said plurality of user-selectable visual schemes include locations for at least one of said plurality of GUI components.

7. (Original) The article of manufacture of claim 1 further comprising computer readable code for implementing an application programming interface (API) to facilitate extending said one of said plurality of GUIs.

8. (Original) The article of manufacture of claim 1 further comprising computer readable code for implementing an application programming interface (API) to facilitate inter-operability.

9. (Original) The article of manufacture of claim 1 wherein said calling mechanism further includes a mechanism for receiving data to be rendered in a given one of said plurality of said GUI components.

10. (Original) The article of manufacture of claim 9 wherein said given one of said plurality of GUI components is one of a table, a graph, and a chart.

11. (Currently Amended) A method for creating a re-useable high level graphical user interface (RHL-GUI) template, comprising:

- ascertaining a plurality of required components for said RHL-GUI template, each of plurality of required components being implemented using furnished features in a GUI creation software;

- ascertaining a default look-and-feel for said RHL-GUI template;

- coding a set of functions;

- associating said set of functions with selective ones of said plurality of required components of said RHL-GUI template, one of said set of functions being invoked when an associated one of said selective ones of said plurality of required components is activated by a user, wherein said set of functions are created, tested, and integrated with said plurality of required components for said RHL-GUI template in advance of said one of said set of functions being invoked;

- providing a calling mechanism for said RHL-GUI template, said calling mechanism, when invoked, renders said RHL-GUI template having said plurality of required components, implementing said functions, and conforming to said default look-and-feel;



ascertaining a plurality of optional components for said RHL-GUI template, each of said plurality of said optional components being implemented using said furnished features in said existing GUI creation software; and

providing optional calling parameters for said calling mechanism, said optional calling parameters, when invoked in conjunction with said calling mechanism, renders at least a subset of said plurality of optional components as part of said RHL-GUI template.

12. (Canceled)

13. (Original) The method of claim 11 wherein said GUI creation software is Java Swing TM.

14. (Original) The method of claim 11 wherein said RHL-GUI template pertains to a table GUI.

15. (Original) The method of claim 11 further comprising:

providing an application programming interface with said RHL-GUI template to facilitate interoperability between said RHL-GUI template and other components external to said RHL-GUI template.

16. (Currently Amended) An article of manufacture comprising a program storage medium having computer readable code embodied therein, said computer readable code being configured to implement a graphical user interface (GUI) template, said GUI template being configured to create one of a plurality of graphical user interfaces (GUIs), comprising:

computer readable code for implementing a calling mechanism;

computer readable code for rendering a plurality of GUI components;

computer readable code for implementing a plurality of functions, each of said plurality of functions being associated with one of said plurality of GUI components, one of said plurality of functions being invoked when a respective one of said plurality of GUI components is activated by a user via said one of said plurality of GUIs, wherein said plurality of functions are created, tested, and integrated with said plurality of GUI components in advance of said one of said plurality of functions being invoked;

at least one of said plurality of functions, when invoked, affects a GUI component other than a GUI component associated with said at least one of said plurality of functions, wherein said calling mechanism permits a user to specify a subset of said plurality of GUI components to be rendered in said one of said plurality of GUIs, said calling mechanism further includes a mechanism for receiving data to be rendered in a given one of said plurality of GUI components;

computer readable code for creating a re-useable high level graphical user interface (RHL-GUI) template comprising:

ascertaining a plurality of optional components for said RHL-GUI template, each of said plurality of said optional components being implemented using said furnished features in said existing GUI creation software; and

providing optional calling parameters for said calling mechanism, said optional calling parameters, when invoked in conjunction with said calling mechanism, renders at least a subset of said plurality of optional components as part of said RHL-GUI template.

17. (Original) The article of manufacture of claim 16 wherein at least two of said plurality of said GUIs have different sets of GUI components, each of said sets of GUI components being a subset of said plurality of GUI components, said different sets of GUI components being specified through said calling mechanism.

18. (Original) The article of manufacture of claim 16 wherein said plurality of GUI components comprise a required subset and an optional subset, said required subset representing GUI components to be rendered in each of said plurality of GUIs, said optional subset representing GUI components rendered only when specified by said user through said calling mechanism.

19. (Original) The article of manufacture of claim 16 further comprising computer readable code implementing plurality of user-selectable visual schemes for said one of said plurality of (GUIs), said plurality of user-selectable visual schemes being selectable through said calling mechanism.

***Allowable Subject Matter***

3. Claims 1-11, and 13-19 are allowed.
4. The following is an examiner's statement of reasons for allowance in combination with other claim limitations:

Independent claims 1, 11, and 16, when considered as a whole, are allowable over the Prior Art of record. Specifically, the Prior Art of record fails to teach that the program storage medium having computer readable code being configured to implement the

graphical user interface (GUI) template to create one of the plurality of graphical user interfaces (GUIs) comprises rendering the plurality of GUI components, implementing the plurality of functions, each of the plurality of functions being associated with one of the plurality of GUI components, one of the plurality of functions being invoked when the respective one of the plurality of GUI components is activated by the user via the one of said plurality of GUIs, wherein the plurality of functions are created, tested, and integrated with the plurality of GUI components in advance of the plurality of functions being invoked, the calling mechanism permitting the user to specify the subset of the plurality of GUI components to be rendered, and creating the re-useable high level graphical user interface (RHL-GUI) template comprises ascertaining the plurality of optional components for the RHL-GUI template, each of the plurality of the optional components being implemented using the furnished features in the existing GUI creation software and providing optional calling parameters for the calling mechanism when invoked in conjunction with the calling mechanism, and rendering at least the subset of the plurality of optional components as part of the RHL-GUI template.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to TRUC T. CHUONG whose telephone number is (571)272-4134. The examiner can normally be reached on M-Th and alternate Fridays 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo can be reached on (571) 272-4847. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Truc T. Chuong

06/03/09

/Weilun Lo/  
Supervisory Patent Examiner, Art Unit 2179